

**COMBINED DECLARATION AND POWER OF ATTORNEY**

I, the below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Carrier Phase Estimation Based On Single-Axis Constant Modulus Cost Criterion And Bussgang Criteria**, the specification of which is being filed under the above-identified Attorney Docket Number.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

|                   |                    |                                 |  |
|-------------------|--------------------|---------------------------------|--|
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | ____ Yes ____ No<br>(Priority Claimed) |
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | ____ Yes ____ No<br>(Priority Claimed) |

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

|                                   |                        |   |
|-----------------------------------|------------------------|---|
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

**PROVISIONAL APPLICATION NUMBER****FILING DATE**60/248,94111/15/00**POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorneys jointly and each of them severally, with full power of substitution, delegation, and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Steve Mendelsohn, Reg. No. 35,951  
Ian M. Hughes, Reg. No. 41,083  
Steven R. Petersen, Reg. 31,287

Telephone calls should be made to Mendelsohn & Associates, P.C. at:

Phone No.: 215-557-6657  
Fax No.: 215-557-8477

All written communications are to be addressed to:

Steve Mendelsohn  
Mendelsohn & Associates, P.C.  
1515 Market Street, Suite 715  
Philadelphia, PA 19102

Customer No.: 22186

#### DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### SIGNATURES

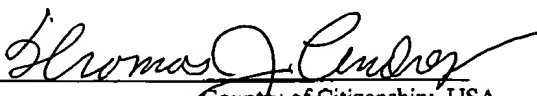
Full name of first inventor: Azzedine Touzni

Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: France  
Residence and Post Office Address: 465 North Main Street, Apt. A  
Doylestown, Pennsylvania 18901

Full name of second inventor: Raúl A. Casas

Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: USA  
Residence and Post Office Address: 81 Constitution Avenue  
Doylestown, Pennsylvania 18901

Full name of third inventor: Thomas J. Endres

Inventor's signature:   
Date: 11/20/01 Country of Citizenship: USA  
Residence and Post Office Address: 20425 72nd Ave. S., Suite 200  
Kent, Washington 98032

Full name of **fourth inventor**: Stephen L. Biracree

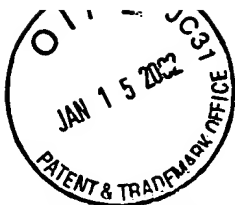
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: USA  
Residence and Post Office Address: 2155 Grakelow Drive  
Jamison, Pennsylvania 18929

Full name of **fifth inventor**: Christopher H. Strolle

Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: USA  
Residence and Post Office Address: 1250 Hazelwood Drive  
Fort Washington, Pennsylvania 19034

Full name of **sixth inventor**: Samir N. Hulyalkar

Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: USA  
Residence and Post Office Address: 1 Buttercup Lane  
Newtown, Pennsylvania 18940

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| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | ____ Yes ____ No<br>(Priority Claimed) |
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|                                   |                        |   |
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| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status)<br>(patented, pending, abandoned) |
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**PROVISIONAL APPLICATION NUMBER****FILING DATE**60/248,94111/15/00**POWER OF ATTORNEY**

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Ian M. Hughes, Reg. No. 41,083  
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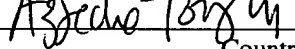
Customer No.: 22186

### DECLARATION

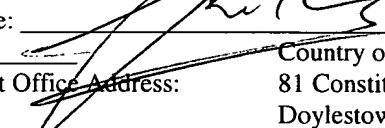
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### SIGNATURES

Full name of **first inventor**: Azzedine Touzni

Inventor's signature:   
Date: 11/16/01 Country of Citizenship: France  
Residence and Post Office Address: 465 North Main Street, Apt. A  
Doylestown, Pennsylvania 18901

Full name of **second inventor**: Raúl A. Casas

Inventor's signature:   
Date: 11/16/01 Country of Citizenship: USA  
Residence and Post Office Address: 81 Constitution Avenue  
Doylestown, Pennsylvania 18901

Full name of **third inventor**: Thomas J. Endres

Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_ Country of Citizenship: USA  
Residence and Post Office Address: 20425 72nd Ave. S., Suite 200  
Kent, Washington 98032

Full name of **fourth inventor**: Stephen L. Biracree

Inventor's signature: Stephen L. Biracree  
Date: 11/16/01 Country of Citizenship: USA  
Residence and Post Office Address: 2155 Grakelow Drive  
Jamison, Pennsylvania 18929

Full name of **fifth inventor**: Christopher H. Strolle

Inventor's signature: Chris H. Strolle  
Date: 11/16/01 Country of Citizenship: USA  
Residence and Post Office Address: 1250 Hazelwood Drive  
Fort Washington, Pennsylvania 19034

Full name of **sixth inventor**: Samir N. Hulyalkar

Inventor's signature: Samir N. Hulyalkar  
Date: 11/16/01 Country of Citizenship: USA  
Residence and Post Office Address: 1 Buttercup Lane  
Newtown, Pennsylvania 18940